DIY Street Level Imagery for GIS

Janine Yoong (Mapillary)
A New Approach to “Street View”

Create your own with any device
- Full control over when, what, and how often to capture
- Affordable and fast
Mapillary In The Wild!
How It Works

Images are placed in the 3D space based on GPS, processed, and stitched together to create a reconstruction behind the scenes.
ArcGIS Integration

Street-level imagery is available as a web viewer for editing GIS data in:
- ArcGIS Online App
- Custom Widget for Web App Builder
- ArcGIS Pro Add-in
More Integrations

Street-level imagery for
- Road quality surveys
- Asset inventory
- Public safety
- City planning
- Tourism
DIY Street Level Imagery for Appraisal and Assessment

Travis Gregorich (Bruce Harris & Associates Account Manager)
“Doing More with Less”

Creating a Data Hub (System Components)

- Dynamic Parcel Data
- Dynamic CAMA Data
- ArcGIS Online
- Map Services
- Sketch Overlays
- System Reporting
- Oblique Imagery
- Street Level Imagery

Listing Overview

1. Packet Builder
2. Sketch Reviewer
3. Photo Reviewer
4. Mobile Property Card
5. Quality Control Reviewer
6. Executive Dashboard
Satisfying a Need

Desktop Review is Common Practice

Effective and Efficient for Rural / Agricultural Properties

Effective Management / Reporting Strategies
Erie County Pilot Project (Kelley’s Island)

Self-Collected Pilot
Kelleys Island (approx. 6 sq miles)
Collected Approx. 50 linear miles of roadway
Desktop Review and the Paperless Appraisal System
Thank you!

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